WE CLAIM:

- 1. A system for enabling device communication in an expanded computing device comprising:
- a first integrated chip having a first register and a second register therein;

 a second integrated chip having a third register and a fourth register therein;

 a first serial link coupled between the first register and the third register; and

 a second serial link coupled between the second register and the fourth register.
- 2. The system of claim 1 wherein the first integrated chip is an application specificintegrated chip.
 - 3. The system of claim 2 wherein the first integrated chip is configured to enable the transfer of data to the second integrated chip without using cashing.
- 15 4. The system of claim 2 wherein the second integrated chip is configured to enable the transfer of data to the first integrated chip without using cashing.
 - 5. The system of claim 1 further comprising a primary bus coupled to the first integrated chip.
- 20 6. The system of claim 1 further comprising a secondary bus coupled to the second integrated chip.

- 7. The system of claim 5 further comprising a first interface coupled between the primary bus and the first register and the second register.
- 8. The system of claim 6 further comprising a second interface coupled between the secondary bus and the third register and the fourth register.

9. A method of transferring data between a first device having a first integrated chip therein and a second device having a second integrated chip therein, to enable an expanded computer system, the method comprising:

receiving a first data at the first integrated chip; and independently writing the first data to the second integrated chip.

5

- 10. The method of claim 9 wherein the act of independently writing is performed by the first integrated chip.
- 11. The method of claim 10 wherein the act of independently writing writes the firstdata independently of an operating system.
 - 12. The method of claim 10 wherein the act of independently writing writes the first data independently of hardware.
- 13. The method of claim 9 wherein the act of independently writing defines a transparent transaction.
 - 14. The method of claim 9 wherein the act of independently writing is performed across a serial connection.

- 15. The method of claim 9 wherein the second integrated chip is enabled to independently write a second data to the first integrated chip.
- 16. The method of claim 15 wherein the first integrated chip writes to the second integrated chip via a serial connection.
- 17. The method of claim 15 wherein the second integrated chip writes to the first integrated chip via a serial connection.

- 18. The method of claim 17 wherein the first integrated chip and the second integrated10 chip operate as mirrors.
 - 19. The method of claim 9 wherein the act of independently writing mirrors information contained in the first register to the second register.

20. A system of transferring data between two devices, comprising:

a first integrated circuit having a first register, the first integrated circuit configured to transparently transfer data to a second integrated circuit;

the second integrated circuit having a second register, the second integrated circuit configured to transparently transfer data to the first integrated circuit; and a serial link coupling the first integrated circuit and the second integrated circuit.

- 21. The system of claim 19 further comprising a primary bus coupled to the first register and a secondary bus coupled to the second register.
- 10 22. The system of claim 19 wherein the first register is a PCI Standard register.
 - 23. The system of claim 19 wherein the first register contains a base register and a limit register to indicate predetermined addresses for devices that can be found connected to a secondary bus.

15